Supplementary material

New Transferrin Receptor-Targeted Peptide–Doxorubicin Conjugates: Synthesis and In Vitro Antitumor Activity

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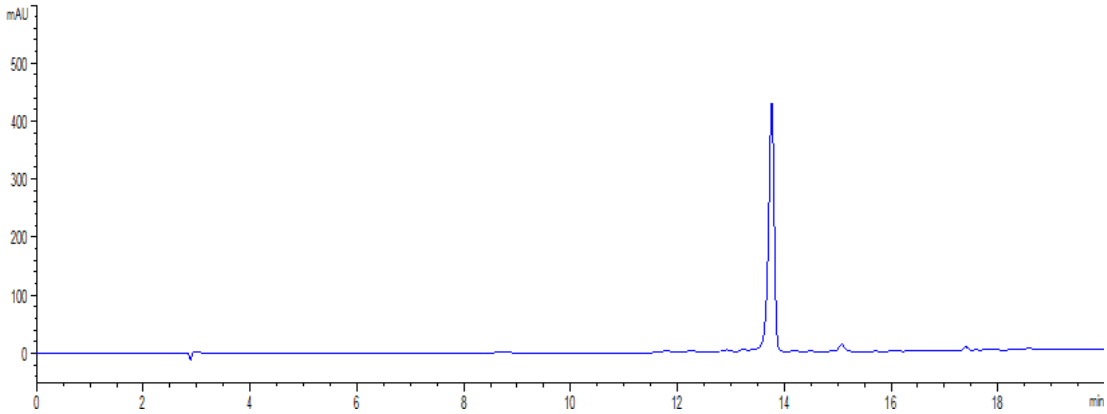

Figure S1. HPLC chromatogram of DOX-SS-Pyr

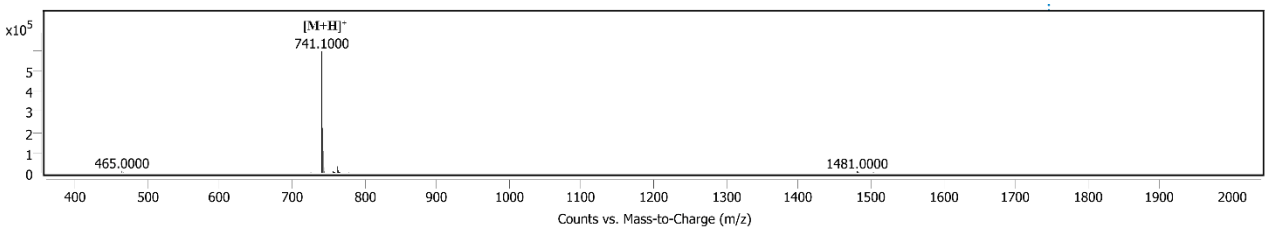

Figure S2. ESI MS of DOX-SS-Pyr, molecular weight for $[C_{35}H_{36}N_2O_{12}S_2]$: calculated, 740.2; found, 741.1 $[M + H]^+$

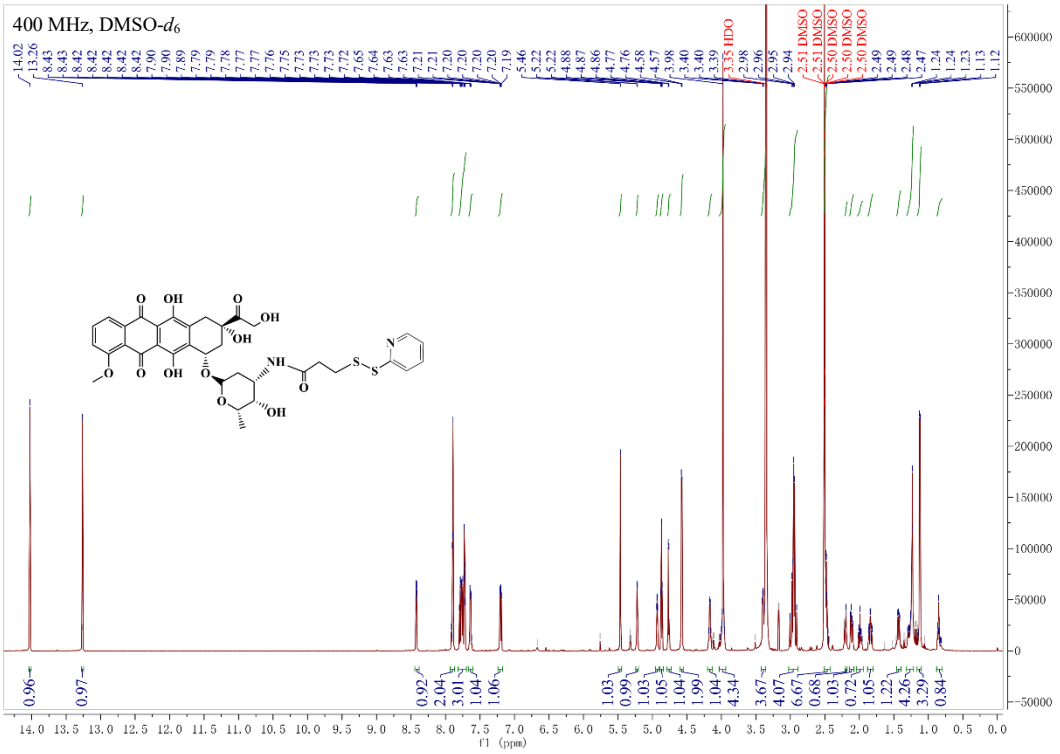

Figure S3. ^{1}H NMR spectrum of DOX-SS-Pyr

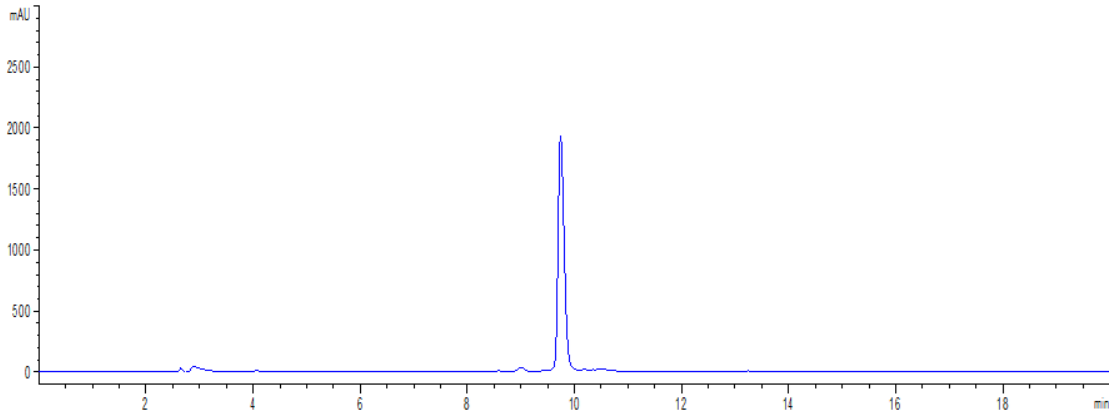

Figure S4. HPLC chromatogram of the ^{L}T7-SS-DOX conjugate

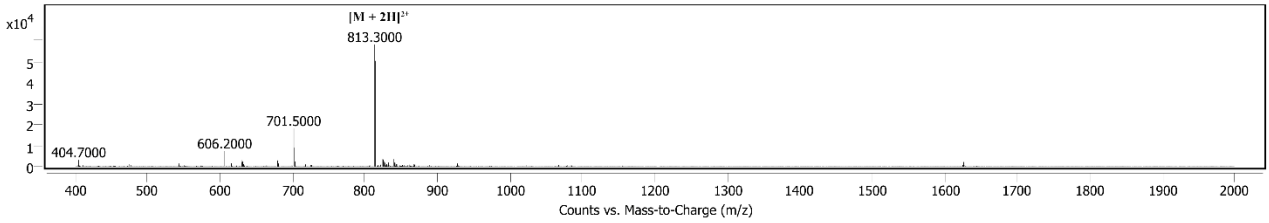

Figure S5. ESI MS of the ^{L}T7-SS-DOX conjugate, molecular weight for $[C_{74}H_{96}N_{16}O_{22}S_2]$: calculated, 1624.6; found, 813.3 $[M + 2H]^{2+}$

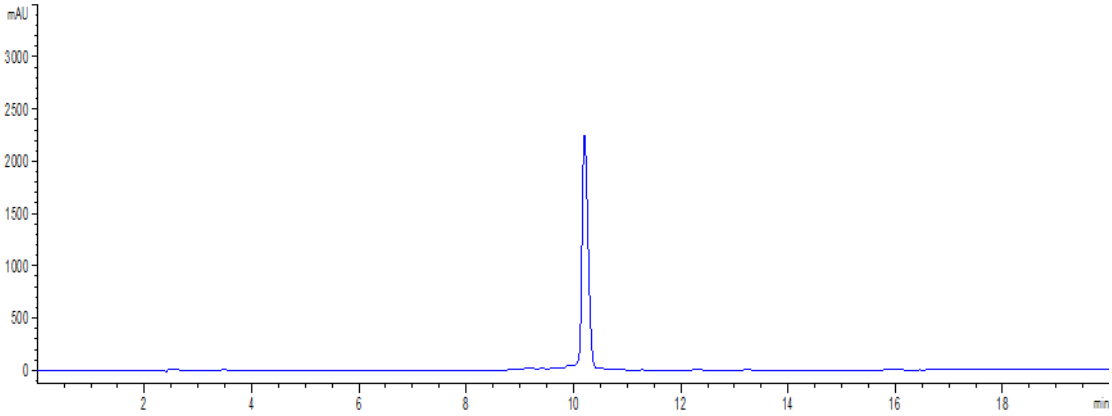

Figure S6. HPLC chromatogram of the ^{D}T7-SS-DOX conjugate

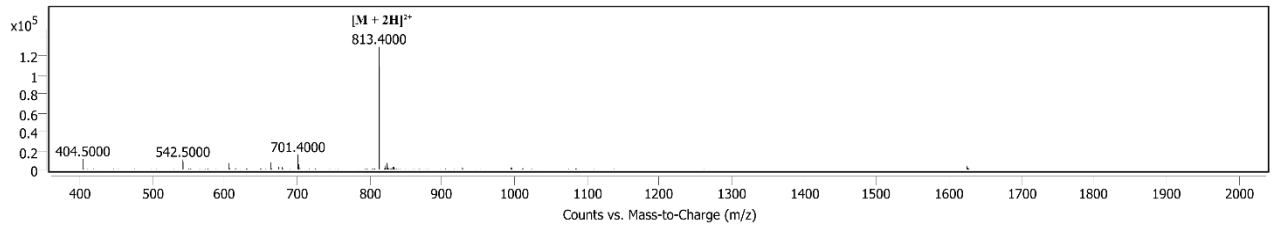

Figure S7. ESI MS of the ^{D}T7-SS-DOX conjugate, molecular weight for $[C_{74}H_{96}N_{16}O_{22}S_2]$: calculated, 1624.6; found, 813.4 $[M + 2H]^{2+}$

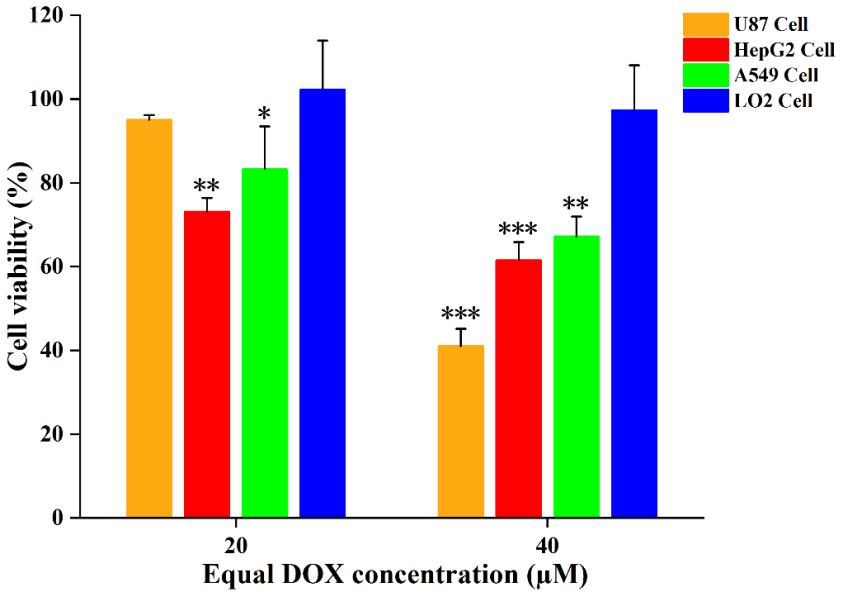

Figure S8. *In vitro* cytotoxicity of ^{L}T7-SS-DOX against cells. Data were presented as mean ± SD (n = 3), *$p < 0.05$; **$p < 0.01$ and ***$p < 0.001$ versus LO2 cells group.